Driver Installation

:\R1.17.48.10_eSATA\setup.exe *(windows 2000/XP\Vista install program)*

:\AP_V0.09.43\setup.exe *(windows 2000/XP\Vista AP program)*

1. Click the ***setup.exe*** file to install the application of RAID Manager and driver.
2. Click the Next button.
3. Click the "**NEXT**" button to install a different folder by press the "**Browse**" button, the button of "**Disk Cost**' provides the disk space for user choice.
4. Click the "**Next**" button to confirm the installation.
5. Click the "**Close**" button, it has been successfully installed.
6. Restart system.

To Verify Driver Installation

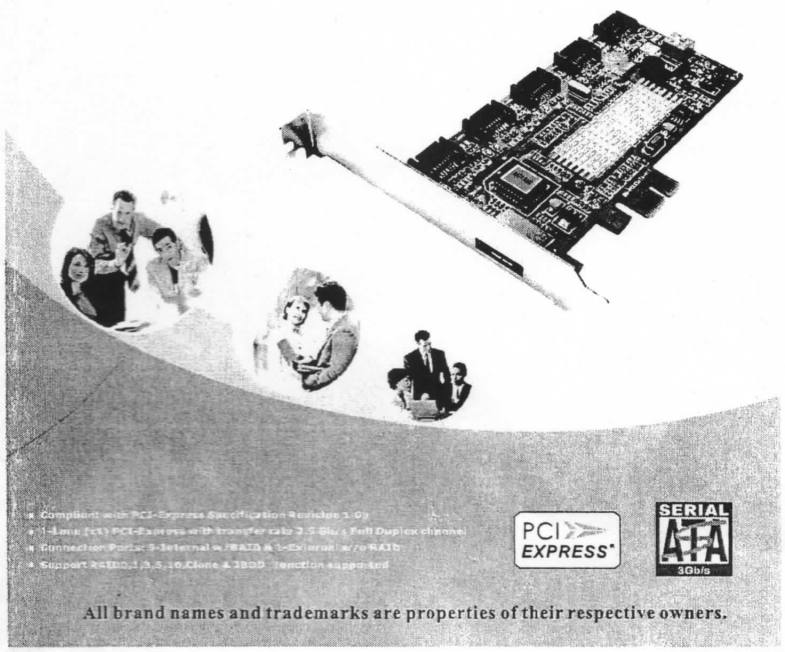
1. Right click **My Computer** and click **Manage**.
2. Select **Device Manager**.
3. Look for the following:

Windows® 2000/XP/2003: Double click **SCSI and RAID Controller**:
-**JMicron Serial ATA Gen 2 PCI Express Adapter** should be displayed
Windows® Vista: Double click **Storage controllers:-JMicron Serial ATA Gen 2 PCI Express Adapter** should be displayed

I/O crest™

1-Port e-SATA w/o RAID & 5-Port SATA II w/RAID

PCI-Express e-SATA & SATA II RAID Controller Card



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Features

PCI-Express Interface

- Compliant with PCI-Express Specification Revision 1.0a
- 1-Lane (x1) PCI-Express with transfer rate 2.5 Gb/s Full Duplex channel

SATA II Interface

- Supports 6-port 3.0Gbps SATA II interface
- Supports SATA II Gen2i and Gen2m (External SATA Connection, e-SATA)
- Output swing control and automatic impedance calibration for SATA II PHY
- Supports asynchronous signal recovery
- Supports partial / slumber power saving mode
- Automatically speed negotiation for 3Gbps or 1.5Gbps
- Supports BIST and loopback mode
- Supports staggered spin-up
- Supports 48-bit LBA addressing
- Supports ATAPI drives
- Supports Native Command Queue (NCQ)
- Supports Asynchronous Notification
- Supports PM aware and non-PM aware host

RAID Function

- Fully hardware-accelerated RAID Engine
- No external DRAM or processor required for RAID operation
- Independent of SATA device connection sequence
- Supports RAID levels: 0 / 1 / 3 / 5 / 10 / JBOD / CLONE
- RAID 3 / 5 write-back cache to enhance performance
- SATA In-band application interface
- Supports more than 2Tera Bytes RAID drive
- Supports on-line command based bad sector recovery
- Supports on-line Auto-Rebuild
- Rebuild speed: 200GB/hour
- Rebuild proceed continuously between power cycling
- Supports Hot Spare on RAID
- Supports various RAID configuration and monitoring method

Connectors

•5 x internal SATA connectors
•1 x external eSATA connector

System Requirements

•PCI Express-enabled system with one available PCI Express slot
•Driver supported: Windows 2000/XP/Vista, Linux, Unix/Solaris10, Mac OS X 10. 4. 3

Package Contents

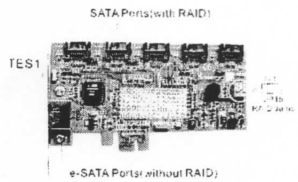
•1 x PCIe SATA II 300 4-Channel Adapter
•1 x Driver CD
•1 x User's Manual
•2 x SATA Data Cable

Optional Accessories

•1 x e-SATA Power Cable

Hardware Description

Note: There are 5 SATA ports and 1 e-SATA prot in PCIe SATA II Adapter.



Hardware Installation

1. Turn Off the power to your computer and any other connected peripheral devices.
2. Unplug the power cord from the back of the computer.
3. Remove your computer's cover.
4. Remove the slot bracket from an available PCI Express slot.
5. To install the card, carefully align the card's bus connector with the selected PCI Express slot on the motherboard. Push the board down firmly, but gently, until it is well seated.
6. Replace the slot bracket's holding screw to secure the card.

Jump setting

3	2	1	RAID Feature
L	L	L	RAID0
L	L	H	RAID1/RAID10
L	H	H	RAID3
H	L	H	RAID5
H	L	L	CLONE
L	H	L	JBOD
H	H	H	Clear RAID

RAID Setting

1.Clear old RAID before set up new RAID, set up Jump(JP) into "H,H,H"
2. Keep pressing button TES1 and start the computer, restart the computer until buzzer rings "Bi, Bi, Bi",
3. For any RAID mode, please refer to the information in above table and set up JP15
4. Repeat Step 2 to finish the RAID operation.
5.All RAID settings can be done by software "JMicron HW RAID Manager" under the running of Operation System